SECTION 2
STATIONARY POINT SOURCES

2.1 Introduction

This section contains the 2002 stationary point source inventory for the Baton Rouge Area. The DCE maintains this inventory and is responsible for identifying point sources meeting the threshold criteria, collecting facility emissions data, processing and managing data, and summarizing and presenting the results.

Stationary point sources are those facilities, plants or activities for which individual records are maintained in the inventory. Louisiana regulations require reporting of emissions inventory data by facilities in the Baton Rouge Area with the potential to emit 10 tons per year (tpy) of VOCs, 25 tpy of NOx, or 100 tpy of CO. For facilities located in parishes[2] adjacent to the Baton Rouge Area, reporting is required of any facility with actual emissions or with the potential to emit 50 tpy of VOCs or 100 tpy of NOx and CO. These data must be submitted and certified annually by the regulated facilities.

The following sections discuss general emissions inventory preparation procedures, as well as procedures used to improve the validity and accuracy of emissions inventory estimates. The point sources emissions for the Baton Rouge Area are summarized in Section 2.3.

2.2 General Emissions Inventory Procedures

The State of Louisiana compiles a statewide emissions inventory for point sources on an annual basis. The reporting requirements for the nonattainment area are in accordance with those of the Clean Air Act Amendments of 1990.

Those facilities that surpass the reporting threshold and that are required to report an annual emissions inventory; are notified in writing. Correspondence includes, but is not limited to, reporting instructions, deadlines, and certification requirements. Emissions data are required to be submitted electronically on diskette or by e-mail in an 80-column ASCII format, and a certification statement signed by a responsible party must be sent by mail.

Emissions data provided by the facilities are estimates of actual emissions for the facility during the previous calendar year. Estimation methodologies are required to follow state and

[2] Adjacent parishes include Assumption, East Feliciana, St. Helena, St. James, St. John the Baptist, St. Martin, Tangipahoa, and West Feliciana.

federal guidelines utilizing AP-42 or other approved methods. Actual testing or measurement data should be substituted when available. Since the data are used for Urban Airshed modeling and trend data, stack parameters and coordinates, control devices and efficiencies, actual emissions, emission factors, and process codes and parameters are required data elements. Appendix B contains an example of the data submitted for a regulated facility.

2.2-1 Emissions Inventory Improvement Procedures

The DCE has worked to upgrade the quality of the point source emissions inventory. Since emissions estimates are received directly from the reporting facilities, efforts were made to improve both the methods and consistency of emissions inventory estimation. In addition, a major outreach effort was conducted to help improve the quality of the electronically submitted data.

The following specific activities or ongoing efforts are aimed at improving the quality and consistency of data submittal:

- The Emissions Inventory System (EIS) User's Manual has been revised and updated.
- Each facility's data as maintained in Louisiana's EIS database was made available in electronic ASCII format via disk or email upon request.
- The DCE website was updated with a Frequently Asked Questions (FAQ) page and downloadable resources that may be used to improve the quality of the emissions data.
- All data are processed into the EIS database, which automatically applies minimum QA/QC control checks. When the data are processed for Urban Airshed modeling purposes, additional minimum validity checks are performed. Any data anomalies that could not be readily resolved are referred back to reporting facility personnel for clarification and correction.

2.3 Facility List and Emissions Summary

The LDEQ conducted a rigorous review of sources in Louisiana during preparation of the 1990 Base Year Ozone Emission Inventory. This methodology is documented in the 1990 Base Year Ozone Emission Inventory. In addition, extensive research continues to identify facilities. In 2002, 154 sources were included in the inventory for the Baton Rouge Area as compared to 80 facilities in 1990.

Facilities included in this inventory were identified from the following sources:

- Existing 1990 Base Year Emissions Inventory list
- Review and comparison of the Toxic Emissions Data Inventory (TEDI) and the Toxic Release Inventory (TRI) databases including the Compliance Data Management System (CDS)
- Review of permit and other agency files

The facilities are listed by parish number and emissions inventory number. Below, in Table 2.3-1, the parish codes for the nonattainment parishes are listed.

Table 2.3-1: Louisiana Nonattainment Parish Codes

Parish Name	Parish Code
Ascension	0180
East Baton Rouge	0840
Iberville	1280
Livingston	1740
West Baton Rouge	3120

Table 2.3-2 summarizes emissions from the stationary point sources by parish. Appendix C lists stationary point source emissions by parish and facility.

Table 2.3-2: 2002 Stationary Point Source Emissions Summary for the Baton Rouge Area in tons per year

Parish	CO	NOx	VOC
Ascension	6953.20	12976.00	3421.40
E. Baton Rouge	12742.93	12729.58	7145.10
Iberville	6016.61	14781.86	2372.06
Livingston	515.13	212.15	451.38
W. Baton Rouge	1553.45	1713.44	1270.05
Total	**27781.32**	**42413.03**	**14659.99**